

TERNARY CONTENT ADDRESSABLE MEMORY DEVICE

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ABSTRACT

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A ternary content addressable memory device. The device includes a ternary CAM array segmented into a plurality of array groups, each of which includes a number of rows of ternary CAM cells. Each array group is assigned to a particular priority by storing the priority number for each array group in an associated storage element. Data entries are then stored in array groups according to priority.

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